



# **CANDIDATE HANDBOOK**

## **CALIFORNIA RESTORATIVE TECHNIQUE EXAMINATION**

**2007**

### **DENTAL BOARD OF CALIFORNIA**

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# APPLICANT INFORMATION

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## ***Restorative Technique Examination Eligibility***

Prior to taking the Dental board of California's Restorative Technique Examination all applicants must:

- Be at least 18 years of age;
- Make application to the Dental board of California;
- Pay an examination fee of \$556.00, which includes:  
application fee: \$250.00; examination fee: \$250.00; fingerprint fee: \$56.00.
- Provide satisfactory evidence of having graduated from a foreign dental school;
- Provide satisfactory evidence of having passed Part I and II of the National Board Written Examination by December 31, 2003. Results must have been on file with the Board by July 12, 2004.
- Provide classifiable sets of fingerprints on forms provided by the Board.

## ***Application Filing Process***

Applicants must complete either an initial application form, **Application for Restorative Technique Examination**, or a re-examination application form, **Re-examination application for Restorative Technique Examination**, and related documents. The following documents are necessary to apply or reapply for the examination and can be found in the accompanying Application Packet:

### **Documents Required to Apply for Examination**

- ☐ Initial Application Form
- ☐ National Board Written Exam Scorecard (Part I and II)
- ☐ Certification of Diploma Form
- ☐ Original Diploma and photocopy of diploma
- ☐ Certification of Academic Record Form
- ☐ Original Transcript and photocopy of transcript
- ☐ Certification of Translation (for non-English documents)
- ☐ Out of State/Country License Certification Form

### **Document Required to Apply for Re-Examination**

- ☐ Re-examination Application Form

If the name on your dental education documents (i.e., your dental diploma, transcripts, National Board Score Card, etc.) appears different from that of the name you use on your application, you must submit one of the following:

- a. Certified copy of the marriage license and photocopy
- b. Certified copy of a court order and photocopy
- c. Original Naturalization Certificate and photocopy

*The Board will certify all copies of original documents and return the original documents via United States Postal Service (USPS) certified mail to the address on your application.*

# APPLICANT INFORMATION

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## ***Application Filing Process continued***

Applications for the restorative technique examination will be accepted by mail only. Applications must be complete to be scheduled for the examination. Applicants will be notified of any deficiencies.

## ***Applicant's Address***

An applicant for the examination must submit to the board a mailing address for the applicant that is located within the United States. That mailing address will be the sole address that the board is required to use to communicate with the applicant.

## ***Criminal Background Check***

For consumer protection, California law requires all applicants to undergo a criminal record background check; therefore, all applicants must pay the \$56.00 fingerprint-processing fee. The amount is subject to change by the California Department of Justice (DOJ) and the Federal Bureau of Investigations (FBI). Until further notice, all applicants may submit their fingerprints by either using the LIVE SCAN system or submitting their fingerprint cards.

Board regulations require two "classifiable" sets of fingerprints on forms provided by the Board to complete the application for examination. Fingerprints may be submitted via Live Scan or standard FBI fingerprint cards. Classifiable means that the prints can be "read" by the California Department of Justice (DOJ) and the Federal Bureau of Investigation (FBI). Fingerprints are more likely to be classifiable if they are taken by a large local law enforcement agency such as a police or sheriff department.

**The Board permits candidates to participate in the examination pending fingerprint clearance; however, a dental license, if applicable, will not be issued until the clearance has been received from the appropriate agencies.**

## ***Convictions***

Applicants must report all convictions including infractions, misdemeanors, and felonies, with the exception of a conviction for an infraction resulting in a fine of less than \$300. Applicants must report a conviction(s) even if he or she pled of nolo contendere (no contest) or received a subsequent order expunging the conviction under the section 1203.4 of the Penal Code.

**Applicants who have previous convictions or pleas that answer "no" to the question may have their applications denied for knowingly making false statements on the applications** pursuant to section 480 (c) of the Business and Professions Code.

# **APPLICANT INFORMATION**

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## ***Radiation Safety***

In the state of California, the only persons legally entitled to operate dental radiographic equipment are:

- ◆ Persons who passed the Board's Radiation Safety examination prior to January 1, 1985.
- ◆ Persons who graduated after January 1, 1980 from a dental school which is accredited by the Commission on Dental Accreditation.
- ◆ Persons who have passed any other Board approved course in Radiation Safety.

Dentists need to complete a radiation safety course if they:

- ◆ Graduated from a dental school not accredited by the Commission on Dental Accreditation,
- ◆ Graduated from any dental school prior to January 1, 1980,
- ◆ or
- ◆ Do not hold a Radiation Safety Certificate.

## ***Requests for Special Accommodations***

Applicants with special physical or medical conditions that require exceptions to the routine conduct of the examination must present documentary evidence of the condition to the Board office as provided by a qualified physician or other health care professional. Contact the Board office to request the ***Special Accommodations*** form. To receive special consideration, the form and the documented evidence must accompany the application for examination.

## ***Social Security Requirement***

Pursuant to Business and Professions (B & P) Code Section 30, the Board is **not** permitted to process any license application or renewal unless the applicant provides his or her social security number.

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# EXAMINATION INFORMATION

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## ***Examination Facilities***

Examination candidates are encouraged to acquaint themselves with the dental school site prior to the start of the examination. Accommodations, facilities, equipment, and other requirements vary by dental school. Arrangements have been made by the Board with the various schools to permit candidates to visit the school of choice two days immediately preceding the examination. Candidates must limit their visit to the days and times approved by the dental schools.

Examinations may be held at any of the following dental schools:

University of Southern California  
School of Dentistry  
925 West 34th Street  
Los Angeles, CA 90007  
Contact: Marshall Miller  
(213) 740-3564

University of the Pacific  
Arthur A. Dugoni School of Dentistry  
2155 Webster Street  
San Francisco, CA 94115  
Contact: Doris Bailey  
(415) 929-6445

## ***Examination Frequency***

The examination is given approximately four (4) times a year. It is usually given in the Spring and Fall.

## ***Summary of Examination Subjects***

**Class II Amalgam**

**Cast Restorations**

**Class II, III or IV Composite**

## ***Equipment***

### **Typodont**

Each candidate must provide an articulated typodont with female attachment in the upper member which fits the Frasaco Phantom Head, which has 32 synthetic teeth and soft rubber gingivae. The typodont must be an articulated Columbia Dentoform, Numbers 560, 660, SM-PVR-860, SM-PVR-1360 or SM-PVR-1560 or a Kilgore typodont, D-95S-200 series or a typodont which is equivalent to the listed typodonts in all respects.

The typodont may be purchased from:

1. Dental Bookstore, University of Southern California School of Dentistry  
(213) 740-2725
2. Dental Bookstore, University of the Pacific, Arthur A. Dugoni School of Dentistry  
(415) 929-6467

## **EXAMINATION INFORMATION**

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The examinee is required to furnish instruments and equipment including hand pieces and material necessary to complete the assignments in the examination. Portable engines are not permissible.

Each candidate must provide an articulated typodont with female attachment in the upper member which fits the Frasaco Phantom Head, which has 32 synthetic teeth and soft rubber gingivae. The typodont must be an articulated Columbia Dentoform, Numbers 560, 660, SM-PVR-860, SM-PVR-1360 or SM-PVR-1560 or a Kilgore typodont, D-95S-200 series or a typodont which is equivalent to the listed typodonts in all respects. Each candidate should plan on arriving on the day of the examination with the typodont well equilibrated.

The typodont is to be mounted in a manikin. The midline of the typodont must remain lined up with the midline of the manikin during the examination. The manikin must be mounted in a simulated patient position and kept in a correct operating position while the examination procedures are performed. The manikin will be provided at the exam site and will be mounted on a simulator. The type of manikin mounted on a simulator will be a Frasaco phantom head P-5 with facemask.

At USC and UOP the manikin is part of a simulator. A modified Columbia Dentoform or Kilgore articulated typodont is necessary at these sites. These modified typodonts have a female attachment in the upper jaw that fits the Frasaco Phantom Head (manikin). Additionally, a 2 5/8" adapter rod is necessary in the pole mount articulator. Only straight rods are acceptable. **No curved rods will be allowed.** A smaller flathead attachment screw knob is needed to provide clearance.

All typodonts must be equilibrated to centric occlusion prior to starting the assigned preparations. A minimum of four (4) posterior teeth on each side of the typodont must be in centric occlusal contact. The Laboratory Floor Examiner (LFE) must approve the typodont equilibration before starting the assigned preparations. There will be no time extensions for the typodont equilibration.

At no time during the examination may the head plate and the cheeks be separated. This is grounds for dismissal.

At the conclusion of the examination, candidates will be required to stop all work, stand and exit from the examination area. Typodonts are not to be removed from the manikins by candidates. If a candidate completes the procedures before the end of the examination, the candidate should advise an LFE or staff. **Only an LFE or staff may remove a typodont from the manikin. A grade of zero will be given if the candidate does not follow the rules and removes the typodont from the manikin head.**

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## EXAMINATION INFORMATION

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Minimum equipment to be supplied with the dental chair or simulator at the exam site will be:

- ◆ dental operatory light
- ◆ high-speed air handpiece hose with air spray
- ◆ low-speed air handpiece hose
- ◆ air-water syringe
- ◆ evacuation system

Candidates must wear masks, gloves, and eye protection during this section of the examination. Due to varying capacities of the evacuation systems at examination sites, all preparations will be completed using air only. The air-water dental syringe can be used to cleanse the preparation. Candidates may use measuring devices, including perio-probes.

**The possession of extra typodonts, extra loose teeth or templates of preparations in the examination area is not permitted and is cause for dismissal.**

### ***Examination Assignments***

The applicant shall be given assignments to complete in each of the following categories:

1. The examination will consist of the following assignments:
  - Amalgam – one preparation (100%) or one preparation (50%) and one Class II restoration (50%).
  - Composite – one preparation (100%) or one preparation (50%) and one Class II, III or IV restoration (50%). Candidates may use light cured or chemical cured composite. If light cured is used, candidates must bring their own curing light.
  - Cast Restoration – two preparations (100%) for single unit cast restorations, or as abutments for a fixed bridge. The preparation assignments will be selected by the board from the following:
    - ◆ MOD Onlay
    - ◆ 3/4 crown
    - ◆ Full metal crown
    - ◆ Full all-porcelain crown
    - ◆ Full porcelain-fused-to-metal crown.
2. Assignments will be on teeth and surfaces specified by the board at the time of the examination. Assignments will be limited to the following ten teeth: #3, 4, 5, 6, 8, 9, 10, 19, 20 and 30.

### ***Time Period for Examination***

Registration will be held on the Friday prior to the exam days from 2:00 – 3:30 p.m. The examination will be a total of eight (8) hours in length. This time period includes approval time for the typodont and equilibration time for disapproved typodonts.

The timed portion of the examination will start at 8:30 a.m. Candidates will be allowed to enter starting at 7:30 a.m. to check-in, secure the necessary approvals and set up.



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# EXAMINATION INFORMATION

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## ***Examination Scoring***

Examination procedures performed by restorative technique examination candidates are scored by the Board's examiners utilizing a 0 - 5 number scale. The numbers are then converted into the following scores:

### **PASSING SCORE**

5 = 95%  
4 = 85%  
3 = 75%

### **FAILING SCORE**

2 = 65%  
1 = 55%  
0 = 0%

Adding the scores obtained in each of the following three (3) sections and dividing the total by three (3) determines the final overall examination scores. (Specific criteria used for scoring procedures can be found in Appendix A).

**Class II Amalgam** – one preparation (100%) or one preparation (50%) and one Class II restoration (50%).

**Cast Restorations** - the posterior and anterior preparations each count for 50% of the overall score.

**Class II, III or IV Composite** - one preparation (100%) or one preparation (50%) and one Class II, III or IV restoration (50%).

An examinee will be deemed to have passed the examination if he or she achieves a score of at least 75% on at least two (2) of the three (3) sections of the examination, and an overall score of at least 75%.

## ***Exemptions***

Any examinee who failed to pass the Restorative Technique examination, but who received a grade of 85% or above in any examination subject, is exempt from reexamination in that subject in subsequent examinations for a period of two (2) years after the examination in which the candidate received the exemption. Exemption requests need to be filed on a form provided by the Board at registration.

## ***Four Attempts***

Effective January 1, 1998, a foreign trained applicant who fails to pass the Restorative Technique examination after four attempts will not be eligible for further examination. The applicant must successfully complete a two-year international dental studies program at a dental school accredited by the Commission on Dental Accreditation. Applicants who complete the program will be eligible for the Dental Licensure examination.

# EXAMINATION INFORMATION

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## ***Examination Scoring continued*** ***Examination Results***

Examination results will be mailed approximately thirty (30) days after the examination to each candidate. If an examination candidate has an address change, the address change must be submitted in writing. **Do not call the Board office for examination results.** For confidentiality reasons, examination results cannot be provided over the telephone.

## ***Further Examination***

An examinee that successfully completes the restorative technique examination is eligible to take either the California Dental Licensure examination or the WREB examination and the California Law and Ethics. WREB will require all foreign dental school graduates to obtain an eligibility letter from the Board. All requests for eligibility letters should be faxed to the Board office and include the name, mailing address and exam date for WREB. The Board will mail a letter directly to WREB and send a copy to the applicant.

An examinee that is not successful must reapply for examination within 45 days of the date the results are issued. Failure to reapply will result in your no longer being eligible for examination.

## ***Appeals***

Under regulations adopted by the Dental Board of California, any of following conditions may be grounds for appealing unsuccessful examination results:

- ◆ **A significant procedural error in the examination process.**
- ◆ **Evidence of adverse discrimination.**
- ◆ **Evidence of substantial disadvantage**

Appeals must be made in writing to the Board and specify the grounds upon which the appeal is based. Appeals must be made within 60 days of receipt of grade sheets.

**Appeals must not include any personal identifying information in the text of the appeal.** Include a cover letter with the appeal with your personal information for staff use. No models or other material will be accepted for reevaluation.

# EXAMINATION INFORMATION

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## ***Rules Of Conduct For The Examination***

The following rules are to be strictly adhered to during the entire examination conducted by the State Board. An examinee that violates any of the rules or instructions will be declared to have failed the examination.

- a. An examinee will be known during the examination only by the random number that has been assigned to that examinee by the State Board. An examinee will wear a badge provided by the board at all times during the examination. Only persons with badges will be admitted to the examination areas. No one other than those directly connected with the examination will be admitted to the examination rooms.
- b. An examinee may be dismissed from all or a portion of the examination for acts which interfere with the Board's objective of evaluating professional competence. Such acts include, but are not necessarily limited to:
  1. Assisting or receiving assistance from another candidate during the examination. There is to be no conversation between or among examinees during the examination.
  2. Failure to follow directions relative to the conduct of the examination, including termination of procedures at the scheduled or announced time.
  3. Leaving the examination area during the examination without permission of the Board.
  4. The possession of any of the following may be grounds for dismissal from the examination: ***aids, diagrams, pictures, previously prepared or unprepared teeth or typodonts, training aids, models, books, extra typodonts or models of individually prepared teeth.***
  5. Candidates must stay in his/her assigned examination space unless given permission by Board staff to move to another examination space.
  6. Radios, cellular phones, beepers, and other such equipment are not permitted during the examination.
  7. Removing examination related materials (i.e. teeth or typodonts) from the exam area during the examination time period.

## AMALGAM PREPARATION

RATING/SCORE			EXTERNAL OUTLINE	INTERNAL FORM	CAVITY REFINEMENT	OPERATIVE ENVIRONMENT & PULPAL PROTECTION
P A S S	Ideal or Minor Errors	5	Appropriate extension for convenience of preparation. Appropriately formed angle of departure and cavosurface angle. Minor deviations may be present.	Appropriate extension into dentin (for bulk and retention). Appropriate retention. Minor deviations may be present.	Enamel walls parallel rod direction. Walls and margins appropriately smooth and well defined. Free of debris. Minor deviations may be present.	No unnecessary trauma to soft tissue. Minor deviation may be present.
	Slight Errors	4	Slightly over or under extended outline. Slight lack of cavity definition. Angle of departure slightly over or under 90°.	Pulpal and/or axial walls slightly shallow or deeper than required for bulk and retention. Retention evident, but slightly incomplete or excessive.	Slight roughness on cavity walls or margins. Cavity lacks definition to slight degree. Slight debris present.	Slight lack of care of hard and/or soft tissue.
	Moderate Errors	3	Moderate over or under extended outline. Moderate lack of cavity definition. Angle of departure moderately over or under 90°.	Pulpal and/or axial walls moderately shallow or deeper than required for bulk and retention. Retention moderately incomplete or excessive.	Moderate roughness of cavity walls or margins. Cavity lacks definition. Moderate debris present.	Lack of care of hard and/or soft tissue.
F A I L	Major Errors	2	Major over/under extensions of outline form. Point tooth contact of adjacent tooth. Angle of departure excessive or too acute. Failure to conserve tooth structure or extend for prevention.	Major unnecessary removal of tooth structure. Major excessive retention. Retention in enamel. Inadequate retention. Pulpal and/or axial walls excessively deep or shallow.	Rough cavity walls. Unsupported enamel walls. Margins extremely rough. Major debris on walls and/or in line angles.	Soft and/or hard tissue unnecessarily traumatized.
	Critical Errors	1	Critical over/under extensions of outline form. Tooth contacts adjacent tooth. Angle of departure critically over/under 90°. Critical failure to conserve tooth structure or extend for prevention.	Critical unnecessary removal of tooth structure. Retention critically incomplete or excessive. Pulpal and/or axial walls critically deep or shallow.	Critically rough cavity walls. Critically unsupported enamel walls. Critically rough margins. Critical debris on external walls.	Critical soft and/or hard tissue trauma.
	Gross Errors	0	Gross over extension and/or gross under extension. Total lack of concept of operative dentistry.	Mechanical pulp exposure.	Grossly undermined. Cavity walls grossly rough and undefined. Gross divergence of walls.	Gross mutilation of hard and/or soft tissue.

## AMALGAM RESTORATION

RATING		SCORE	SURFACE QUALITY	MARGIN INTEGRITY	CONTOURS AND FUNCTION
P A S S	Ideal or Minor Errors	5	Uniform smoothness of entire surface of restoration. Devoid of pits or scratches. Dense condensation. Appropriate finish.	Junction of tooth/restoration not detectable.	Tooth contours, occlusal and proximal surfaces appropriately restored. Proximal embrasures and contacts appropriate. No unnecessary trauma to hard and/or soft tissues.
	Slight Errors	4	Restoration exhibits slight roughness, pits and scratches.	Slight detectable catches at margins of restoration, but margin closed.	Slight under or overcontour. Morphological features slightly lacking. Weak contact. Slight lack of care of hard and/or soft tissues.
	Moderate Errors	3	Restoration exhibits moderate roughness, pits and scratches.	Moderate catches at margin of restoration that are correctable in polishing.	Moderate under or overcontour. Morphological features moderately lacking. Minimal contact. Moderate lack of care to hard and/or soft tissues.
F A I L	Major Errors	2	Major surface roughness, pitting and/or scratches. Soft condensation.	Open margin or major marginal discrepancy. Excessive overhangs.	Major absence of appropriate anatomical features. Excessive depth of carving in amalgam. Improper contact. Traumatic occlusion. Hard and/or soft tissue damage.
	Critical Errors	1	Critical surface roughness, pitting and/or scratches. Critically soft condensation. Surface pieces flake off.	Critically open margin or critical margin discrepancy. Critically excessive overhangs.	Critical absence of appropriate anatomical form. Critically excessive depth of carving in amalgam. Critical lack of proximal contact and/or embrasure form. Critical traumatic occlusion. Critical hard and/or soft tissue damage.
	Gross Errors	0	Entire surface missing. Surface totally defective. Grossly under or over filled.	Deeply open margin to DEJ. Gross overhangs. Loss of substantial fracture of restoration.	Restoration fractured or displaced. Complete lack of proximal contact and/or embrasure form. Gross mutilation of hard and/or soft tissue. No concept of form and function.

## COMPOSITE RESIN PREPARATION

SCORE	EXTERNAL OUTLINE	INTERNAL FORM	CAVITY REFINEMENT	OPERATIVE ENVIRONMENT
<b>Ideal or Minor Errors</b>  5	Appropriate extension for removal of caries, convenience of preparation, and finish of enamel margins. Appropriate access entry. Minor deviations may be present.	Appropriate depth of axial wall for removal of caries. Appropriate retention form. Appropriate enamel bevels, if present. Minor deviations may be present.	Walls and margins appropriately smooth and well defined. Free of debris. No inappropriate unsupported enamel. Minor deviations may be present.	No unnecessary trauma to soft and/or hard tissues. Minor deviations may be present.
<b>Slight Errors</b>  4	Slightly over/under extended outline for removal of caries. Slightly inappropriate access entry.	Slightly inappropriate depth of axial wall for removal of caries. Retention slightly excessive or inadequate. Enamel bevels slightly inappropriate, if present.	Slight roughness on cavity walls and/or margins. Cavity lacks definition to a slight degree. Slight debris present. Slightly inappropriate unsupported enamel.	Slight trauma to soft and/or hard tissues.
<b>Moderate Errors</b>  3	Moderate over/under extended outline for removal of caries. Moderately inappropriate access entry.	Moderately inappropriate depth of axial wall for removal of caries. Retention moderately excessive or inadequate. Enamel bevels moderately inappropriate, if present.	Moderate roughness of cavity walls and/or margins. Cavity lacks definition to a moderate degree. Moderate debris present. Moderately inappropriate unsupported enamel.	Moderate trauma to soft and/or hard tissue.
<b>Major Errors</b>  2	Major over/under extended outline for removal of caries. Major failure to conserve tooth structure. Major inappropriate access entry.	Majorly inappropriate depth of axial wall for removal of caries. Retention majorly excessive or inadequate. Enamel bevels majorly inappropriate, if present.	Major unnecessary roughness of cavity walls and/or margins. Cavity lacks definition to a major degree. Major debris present. Majorly inappropriate unsupported enamel.	Major trauma to soft and/or hard tissue.
<b>Critical Errors</b>  1	Critical over/under extended outline for removal of caries. Critical failure to conserve tooth structure. Critical inappropriate access entry.	Critically inappropriate depth of axial wall for removal of caries. Retention critically excessive or inadequate. Enamel bevels critically inappropriate, if present.	Critical unnecessary roughness of cavity wall and/or margins. Cavity lacks definition to a critical degree. Critical debris present. Critically inappropriate unsupported enamel.	Critical trauma to soft and/or hard tissues.
<b>Gross Errors</b>  0	Gross over/under extended outline for removal of caries. Total lack of concept of operative dentistry.	Grossly inappropriate depth of on axial wall for removal of caries.	Gross unnecessary rough cavity walls and/or margins. Gross debris present. Grossly inappropriate unsupported enamel.	Gross trauma to soft and/or hard tissue.

## COMPOSITE CRITERIA FORM - FINISH

RATING/SCORE			SURFACE QUALITY	MARGIN INTEGRITY	CONTOURS AND FUNCTION	TISSUE TREATMENT
P A S S	<b>Ideal or Minor Errors</b>	<b>5</b>	Uniform smoothness of entire surface of restoration. No pits on the surface.	Margin continuous with contours of natural tooth. No white lines at margin.	All tooth contours appropriately restored. Appropriate contact with adjacent and opposing contacts. Morphological features are appropriate. No contamination in material. Restorative material completely cured.	No unnecessary trauma to soft and/or hard tissues.
	<b>Slight Errors</b>	<b>4</b>	Restoration exhibits slight roughness. Slight pits and/or scratches on the surface.	Slight detectable catches at the margins of the restoration but margins are closed. No pits on the margins. Slight white line at margin.	Slight under or over contour. Slightly weak contact. Morphological features slightly deficient or excessive. Slight contamination in material. Restorative material completely cured.	Slight lack of care of soft and/or hard tissues.
	<b>Moderate Errors</b>	<b>3</b>	Restoration exhibits moderate roughness. Moderate pits and/or scratches on the surface.	Moderate catches at margin of restoration but margins are closed. No pits on the margins. Moderate white line at margin.	Moderate under or over contour. Moderately weak contact. Morphological features moderately deficient or excessive. Possible moderate contamination in material. Restorative material completely cured.	Moderate lack of care of soft and/or hard tissues.
F A I L	<b>Major Errors</b>	<b>2</b>	Major surface roughness. Major pits and/or scratches on the surface. Major detectable catches in surface.	Major open margin discrepancy. Major excessive material over the margin. Pits on the margins. Major white line at margin.	Major under or over contour. Major lack of contact. Morphological features majorly deficient or excessive. Major traumatic occlusion. Obvious major contamination in the restorative material. Major inadequate cure of the restorative material.	Major lack of care of soft and/or hard tissues.
	<b>Critical Errors</b>	<b>1</b>	Critical surface roughness. Major pits and/or scratches on the surface. Critical detectable catches in surface.	Critical open margin discrepancy. Critical excessive material over margin. Critical white line at margin.	Critical under or over contour. Critical lack of contact. Morphological features critically deficient or excessive. Critical traumatic occlusion. Critically contaminated. Critical inadequate cure of restorative material.	Critical lack of care of soft and/or hard tissues.
	<b>Gross Errors</b>	<b>0</b>	Grossly irregular surface. Gross voids, pits and/or scrapes on the surface. Loss of all or part of the restoration.	Gross open margin discrepancy to the DEJ. Gross excessive material over margin. Gross white line at margin.	Restoration fractured or displaced. Gross lack of contact. Morphological features grossly deficient or excessive. Gross lack of concept of form and/or function. Requires replacement. Gross inadequate cure of the restorative material.	Gross mutilation of soft and/or hard tissues.

## DOCUMENTED CRITERIA FOR CAST RESTORATION PREPARATION

RATING/SCORE		FORM OF PREPARATION/REDUCTION	RETENTION	MARGIN & BEVEL FINISH	OPERATIVE ENVIRONMENT & PULPAL PROTECTION
P A S S	<b>Ideal or Minor Errors</b>	<b>5</b> Appropriate extension for convenience and prevention. Appropriate occlusal/incisal reduction. Appropriate coronal/pulpal/axial reduction. Minor deviations allowable.	Parallelism is appropriate, no undercuts internally or externally. Appropriate taper for retention and withdrawal. Grooves and/or boxes are parallel, well defined and appropriate length and location. Minor deviations allowable.	Appropriate finish of walls and well defined angles. Margins and bevels appropriately placed, smooth and well defined. Minor deviations allowable.	No unnecessary trauma to simulated soft tissue. Free of debris. Minor deviations allowable.
	<b>Slight Errors</b>	<b>4</b> Slight over/under extensions for convenience and prevention. Slight over/under occlusal/incisal reduction. Slight over/under coronal/pulpal/axial reduction.	Parallelism slightly compromised and slightly undercut internally. Slight imperfections in grooves and/or boxes. Slightly inadequate length of preparation.	Walls and line angles and/or margins slightly rough. Margins slightly under/over extended. Margins and bevels slightly deep, shallow or irregular.	Some debris present.
	<b>Moderate Errors</b>	<b>3</b> Moderate over/under extensions for convenience and prevention. Moderate over/under occlusal/incisal reduction. Moderate over/under coronal/pulpal/axial reduction.	Parallelism moderately compromised and moderate undercut internally. Moderate imperfections in grooves and/or boxes. Moderately inadequate length or preparation.	Walls and/or line angles and/or margins moderately rough. Margins moderately under or over extended. Margins and bevels moderately deep, shallow or irregular.	Moderate amount of debris present.
F A I L	<b>Major Errors</b>	<b>2</b> Major over/under extensions for convenience and protection. Major over/under occlusal/incisal reduction. Major over/under coronal/pupal/axial reduction.	Major error in parallelism (inadequate or excessive). External undercut(s). Excessive taper. Grooves and/or boxes ill defined and/or improperly placed. Inadequate length of preparation to a major degree. Major internal undercut.	Major unnecessarily deep or inadequate margins and/or bevels. Margins excessively rough and/or poorly finished to a major degree. Margin barely in contact with adjacent tooth.	Major evidence of unnecessary trauma to simulated soft tissue. Mutilation of adjacent hard/or simulated soft tissue. Excessive debris present.
	<b>Critical Errors</b>	<b>1</b> Critical over/under extension for convenience and protection. Critical over/under occlusal/incisal reduction. Critical over/under coronal/pulpal/axial reduction.	Critical error in parallelism (inadequate or excessive). External undercut(s). Critical excessive taper. Grooves and/or boxes lack definition or are improperly placed to a critical degree. Inadequate length of preparation. Critical internal undercut.	Critical unnecessarily deep or inadequate margins and/or bevels. Margins excessively rough and/or poorly finished to a critical degree. Margin in contact with adjacent tooth.	Critical evidence of unnecessary trauma to simulated soft tissue. Mutilation of adjacent hard/or simulated soft tissue. Critically excessive debris present.
	<b>Gross Errors</b>	<b>0</b> Gross over/under extensions for convenience and protection. Gross over/under occlusal/incisal reduction. Gross over/under coronal/pulpal/axial reduction. Gross lack of concept. An area of the prepared tooth contacts adjacent tooth.	Grossly tapered or extreme undercut. Complete lack of retention. Grooves and/or boxes demonstrate total lack of concept.	Total lack of definition of margins and/or bevels.	Gross mutilation of adjacent hard/and or simulated soft tissue.



# RESTORATIVE TECHNIQUE EXAMINATION

Examination Date: 2007

Site: UOP

Candidate Number: \_\_\_\_\_

Typodont Approved

Manikin Approved

Manikin Marked

## #I. AMALGAM PREPARATION

Tooth Assigned #4

Restoration Assigned: Class II MO

## #II. COMPOSITE PREPARATION

Tooth Assigned: #8 Distal

Approach Assigned: Lingual

## #IV. ANTERIOR CAST PREPARATION

Tooth Assigned: #9

Restoration Assigned: PFM - Full Porcelain  
Occusal

## LFE NOTES: Damage/Pre-operative Conditions

Time Extension:

Other:

## #III. COMPOSITE FINISH

Tooth Assigned: #6 Mesial

Approach Assigned: Lingual

Extensions should mirror a small lesion, just penetrating DEJ, located in the contact. Contact not broken at the incisal. Contact may be broken (up to .5 mm) at the gingival.

## #V. POSTERIOR CAST PREPARATION

Tooth Assigned: #19

Restoration Assigned: FULL METAL CROWN

#I, II, III

A

B

C

#IV, V

# STANDARD PREPARATION GUIDELINES AMALGAM

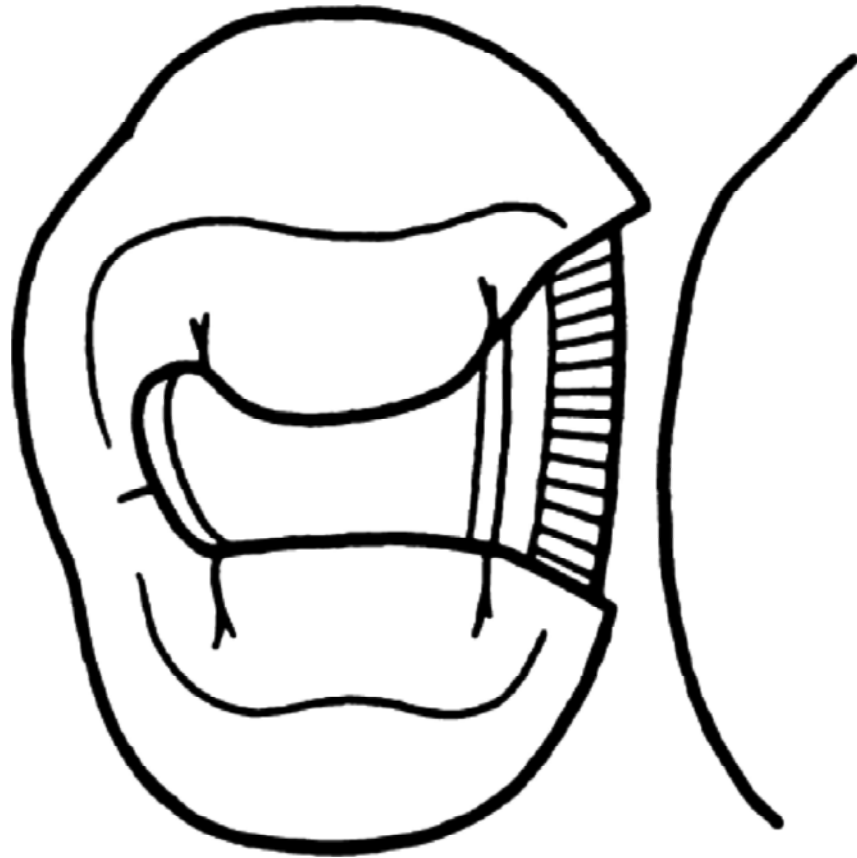
## **Proximal Extension**

Buccal/Lingual .5 mm.

**Gingival Clearance** .5 mm.

**Axial Depth** 1.5 mm.

**Pulpal Depth** 1.5 mm

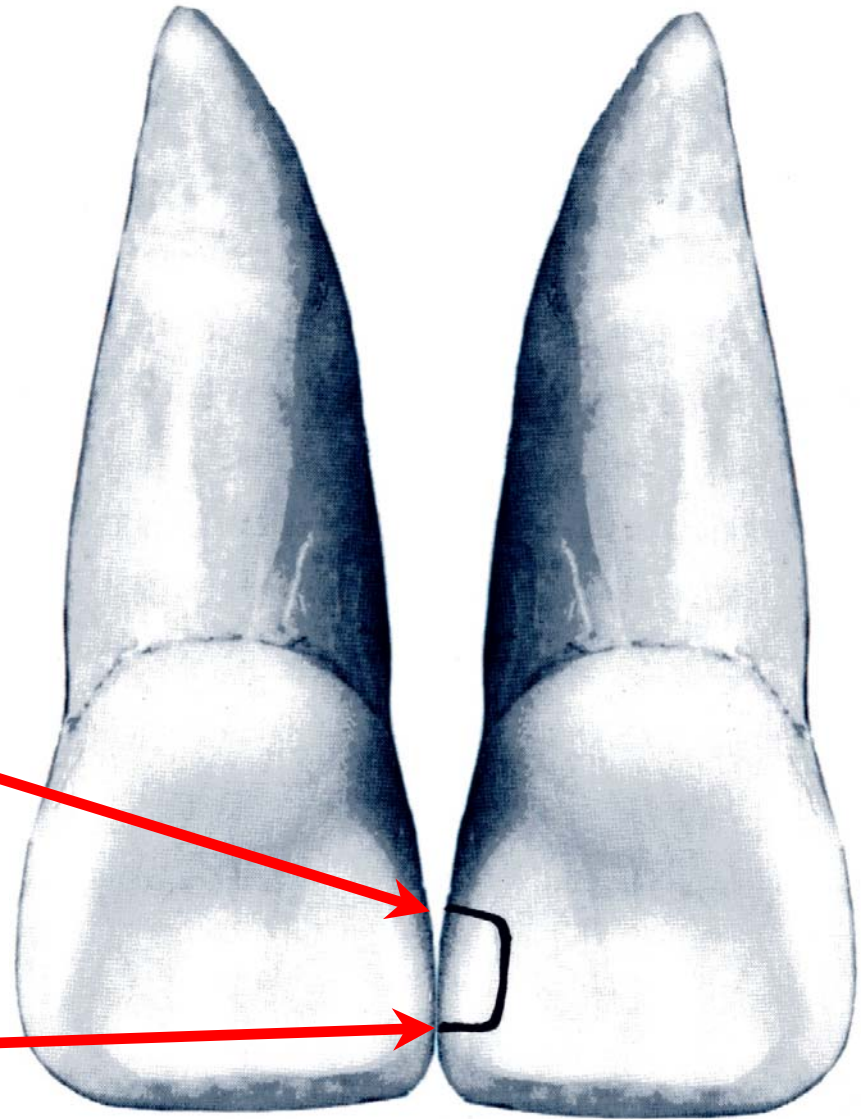


## STANDARD PREPARATION GUIDELINES - COMPOSITE

Facial extension is 0 at the incisal and 0-.5 mm. from the adjacent tooth gingivally

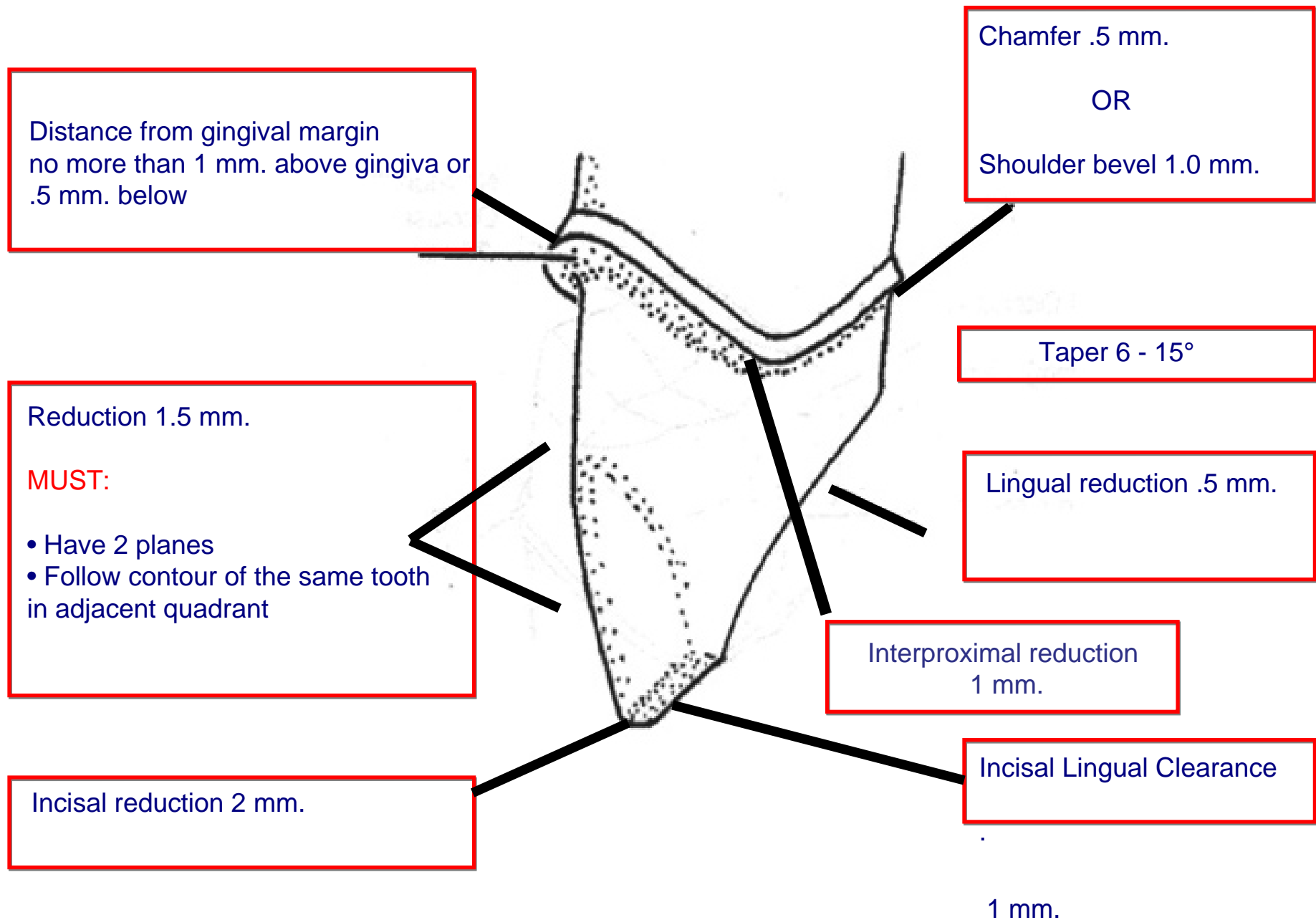
0-.5 mm. gingivally  
(clearance from adjacent tooth)

0 at the incisal  
(maintain contact)

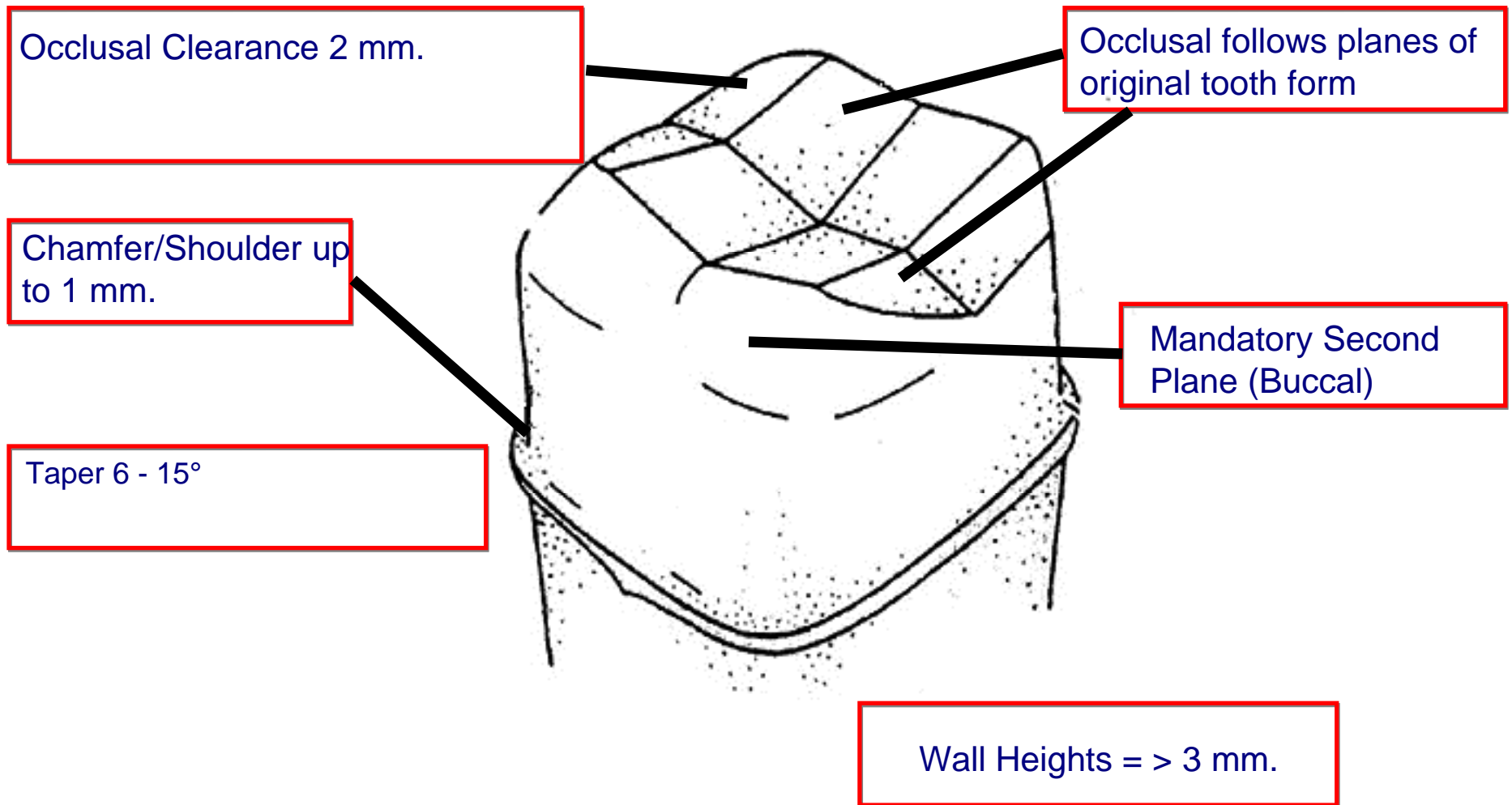


# STANDARD PREPARATION GUIDELINE

## Anterior Preparation



# Standard Preparation Guideline Full Metal Crown



## STANDARD PREPARATION GUIDELINES MANDIBULAR BICUSPID (Porcelain Occlusal)

